



TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

	Application Number	10/676,601	
	Filing Date	October 1, 2003	
	First Named Inventor	XU	
	Group Art Unit	NA	
	Examiner Name	NA	
Total Number of Pages in This Submission		Attorney Docket Number	10013.0001US

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form (in duplicate)	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below)
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	1. Self-addressed stamped postcard.
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	2. Identified references.
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s)	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	Greg S. Hollrigel Registration No. 45,374
Signature	
Date	December 5, 2003

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO, or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Greg S. Hollrigel		
Signature		Date	December 5, 2003



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/676,601
Applicant : XU et al.
Filed : October 1, 2003
Title : MICRO-PUMP

Confirmation No.

TC/A.U. : NA
Examiner : NA

Docket No. : 10013.0001US
Customer No. : 31495

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Date:	12/5/03
By:	Greg S. Hollrigel

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. 1.97(b)(1)

Dear Sir:

Applicant wishes to call to the attention of the Examiner the documents cited on the accompanying Form PTO-1449. Copies of these references are enclosed herewith. This communication is being submitted under 37 C.F.R. 1.97(b)(1). No fee is due regarding this communication.

No concession is made that these documents are prior art, and applicant expressly reserves the right to antedate the documents as may be appropriate. Applicant requests that each of these documents be made of record in the above-identified application.

Date: 12/5/03

Respectfully submitted,

Greg S. Hollrigel

Registration No. 45,374

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Form PTO-1449 DEC 08 2003 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <small>(Use separate sheets if necessary)</small>		Docket No.: 10013.0001US Applicant: XU et al. Filing Date: October 1, 2003 Group Art Unit: NA					
U. S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	5,499,909	3/19/96	Yamada et al.	417	384		
	5,759,014	6/2/98	Van Lintel	417	413.3		
	6,390,791	5/21/02	Maillefer et al.	417	413.3		
	6,408,878	6/25/02	Unger et al.	137	597		
	6,520,753	2/18/03	Grosjean et al.	417	379		
	2002/0081866 A1	6/27/02	Choi et al.	438	800		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	02/43615	6/6/02	WO				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AA	Maillefer, D. et al., "A high-performance silicon micropump for disposable drug delivery systems", The thirteenth IEEE International Micro Electro Mechanical Systems (MEMS-2000 Conference, Miyazaki, Japan, 413-417					
	AB	Khoo, M. et al., "A novel micromachined magnetic membrane microfluid pump", The 22nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Chicago, IL, 2000, 1-4.					
	AC	Linnemann, R. et al., "A self-priming and bubble-tolerant piezoelectric silicon micropump for liquids and gases", The 11th annual international workshop on MEMS, 1998 Heidelberg Germany, 532-537.					
	AD	Kamper, K.P. et al., "A self-filling low-cost membrane micropump", The 11th annual international workshop on MEMS, 1998 Heidelberg Germany, 432-437.					
	AE	Shinohara, J. et al., "A high pressure-resistance micropump using active and normally-closed valves", Thirteenth IEEE International Micro Electro Mechanical Systems (MEMS-2000) Conference, Miyazaki, Japan, 2000.					
	AF	Grosjean, C. et al., "A thermopneumatic peristaltic micropump", Technical Digest of Transducers '99, Sendai, Japan.					
	AG	Maillefer, D. et al., "A high-performance silicon micropump for an implantable drug delivery system", The 1999 IEEE International Micro Electro Mechanical Systems (MEMS-1999) Conference. Orlando, FL, 1999.					
	AH						
EXAMINER				DATE CONSIDERED			
<small>EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.</small>							